

7-231

WD-WR

June 11, 1992

WR KAMWD PS

Mr. V. LeGrand Neilson
Regional Supervisor of Water,
Land, and Power
Bureau of Reclamation
P.O. Box 61470
Boulder City, NV 89006-1470

Dear Mr. Neilson:

Thank you for the explanation of your yearend forecasting method. In response to your letter of May 21, 1992, Imperial Irrigation District (IID) operating personnel have reviewed the IID monthly diversion estimates for the remainder of 1992. At this time, no changes are recommended for these estimates. While record rainfalls severely impacted our diversions early in the year, we do not expect this trend to continue.

Thank you for the opportunity to comment.

Sincerely,

Robert A. McCullough

for

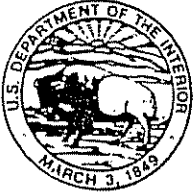
CHARLES L. SHREVES
General Manager

KIM

WATEST(1)

EW

7-232



United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470



IN REPLY REFER TO:

LC-460
WTR-4.10

MAY 21 1992

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
Operating Headquarters
P.O. Box 937
Imperial CA 92251

Subject: Review of Colorado River Water Use Records (Water Accounting)

Dear Mr. Shreves:

Thank you for your review of our monthly yearend forecast methods of Colorado River water use. In response to your letters of April 3 and May 7, 1992, our methodology for development of forecasts of yearend use has been sent to you by our letter of April 14, 1992.

In particular, you requested clarification of why our 1992 yearend forecast of water use by agricultural users is greater than their 1991 use. We must assume that normal climatic conditions are most likely to occur during the remainder of a forecast year, which conditions were in 1990 when there were minimal tropical and rain storm events. The 1992 estimated monthly diversions provided by some of the districts are therefore adjusted to more nearly reflect historical 1990 diversions, rather than those of 1991, when reductions in actual diversions resulted from unanticipated weather conditions.

Imperial Irrigation District (IID) and Coachella Valley Water District (CVWD) diversion estimates you have provided for 1992 have not been adjusted. Diversion estimates you have provided in past years have closely approximated your actual diversions and have not required any significant adjustment as have some estimates provided by other districts. Also, you have included your adjustment for conserved water.

Our 1992 yearend forecast transmittal letter of March 25, 1992 included actual diversion data for January and February. Thus, this March 1992 yearend forecast for IID diversion at Imperial Dam is the sum of the monthly estimates provided by IID with January and February estimated diversions replaced with actual diversions. Our 1992 consumptive use forecast is the 1992 scheduled diversion adjusted by a 1990 use to diversion ratio with consumptive use to date replacing corresponding monthly scheduled use.

cc: WD
5/26/92

Additionally, the March 25 estimates of 1991 consumptive uses by IID and CVWD have been revised to 2,898,963 acre-feet and 317,563 acre-feet, respectively. This includes final delivery data for all users on the All-American Canal, but not final Geological Survey flow data and so our 1991 estimates remain provisional. Our provisional 1991 diversions for IID and CVWD are 2,985,723 acre-feet and 327,417 acre-feet, respectively.

With your March 1992 actual diversion at Station 60 included in our forecast method, our yearend forecast of IID diversion is 2,785,741 acre-feet and CVWD yearend forecast diversion is 334,216 acre-feet. This 1992 forecast of IID diversions at Station 60 is 199,982 acre-feet below our 1991 provisional diversion. Your projected 1992 IID total diversion appears to reflect the 50,000 acre-foot lesser diversions to date plus actual 1991 diversions for the remainder of 1992. Please review IID monthly diversion estimates for the remainder of 1992 and provide any changes you believe are warranted:

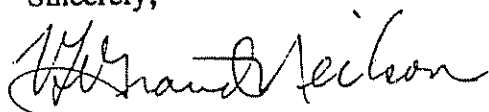
IID Original 1992 Diversion Estimates (acre-feet)

Jan 140,000	Jul 330,000	
Feb 180,000	Aug 310,000	
Mar 270,000	Sep 260,000	
Apr 340,000	Oct 230,000	
May 340,000	Nov 180,000	
Jun 300,000	Dec 140,000	Total = 3,020,000

Essentially, the difference between our yearend forecast and yours is that your estimates of diversions for the remainder of 1992 are actual diversions during 1991, not as originally estimated above.

If you have any questions, you may contact Mr. Rod Carson, of this office, at 702-293-8571.

Sincerely,



V. LeGrand Neilson
Regional Supervisor of
Water, Land, and Power

cc: Mr. Gerald R. Zimmerman
Executive Director
Colorado River Board of California
770 Fairmont Avenue, Suite 100
Glendale CA 91203-1035

7-233

WD

March 5, 1992

WD 15

Mr. Alden Briggs
U.S. Bureau of Reclamation
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006

Dear Mr. Briggs:

We have reviewed the records sent to us by letter dated February 10, 1992, showing the monthly diversions at Imperial Dam.

There appears to be a discrepancy in the figures for Coachella Valley Water District (CVWD) diversions. When flow credits are applied, the total amount of consumptive use for CVWD is less than the measured amount recorded at our metering station below Pilot Knob Check. However, Imperial Irrigation District (IID) is shown to receive return flow credits for only about 84 percent of the loss upstream of Pilot Knob Check.

We have included a tabulation of our records that indicate the differences. If you have any questions, please contact Mr. Jesse Silva, Manager, Water Department, at (619) 339-9263.

Yours very truly,

15/

CHARLES L. SHREVES
General Manager

Enclosures (118's 440)

JPS:clc
a:consent

4/11

Chuck

comparison of IID and Decree Accounting diversion amounts
for 1991

MONTH	IID	USBR
JAN	121,601	122,147
FEB	179,434	179,518
MAR	207,361	207,602
APR	346,006	345,709
MAY	356,745	362,615
JUN	319,754	325,269
JUL	349,469	343,316
AUG	313,844	313,786
SEP	249,532	249,550
OCT	267,723	267,751
NOV	194,350	198,597
DEC	79,915	86,732
TOTAL	3,002,592	2,985,177

LOOKS OK

WHAT IS JUST AS IMPORTANT IS THE COMPARISON OF THE CONSUMPTIVE USE AMOUNT FROM USBR WITH THE AMOUNT WE SHOW PASSING OUR PILOT KNOB CHECK.

	CONSUMPTIVE USE	PK CHECK	DIFF
IID	2,908,472	2,894,111	14,361
CVWD	308,052	317,013	(8,961)
TOTAL	3,216,524	3,211,124	5,400

THE MEASURED LOSS FROM STA 60 TO PK FOR IID IS 91,066. WE GOT CREDIT FOR 84% OF THAT AMOUNT. $(91,066 - 14,361 / 91,066)$

CVWD LOSS FOR THE SAME REACH WAS 10,757. THEY GOT CREDIT FOR ALL OF THEIR LOSS AND THEN SOME.

THE PROBLEM IS THAT USBR'S TOTAL DIVERSION FOR COACHELLA IS 8,755 LESS THAN OUR RECORDS INDICATE. WHEN THEY APPLY THE RETURN FLOW CREDIT OF 10,963, CVWD IN EFFECT HAS A CREDIT ABOUT EQUAL TO THE DIFFERENCE IN OUR FIGURES OF ABOUT 8,755 AF.

IF WE USE OUR RECORD OF DIVERSION OF 327,770 FOR CVWD AND APPLY THE 10,963 RETURN FLOW CREDIT, THE DIFFERENCE IS 316,807 WHICH COMPARES VERY FAVORABLY WITH OUR PK AMOUNT FOR COACHELLA OF 317,013. NOTICE THAT EVEN THEN COACHELLA WOULD GET 100% CREDIT FOR THEIR MEASURED LOSSES AS WE ACCOUNT FOR THEM.





ESTABLISHED IN 1918 AS A PUBLIC AGENCY

COACHELLA VALLEY WATER DISTRICT

POST OFFICE BOX 1058 • COACHELLA, CALIFORNIA 92236 • TELEPHONE (619) 398-2651

DIRECTORS
TELLIS CODEKAS, PRESIDENT
RAYMOND R. RUMMONDS, VICE PRESIDENT
JOHN W. McFADDEN
DOROTHY M. NICHOLS
THEODORE J. FISH

February 27, 1992

OFFICERS
THOMAS E. LEVY, GENERAL MANAGER-CHIEF ENGINEER
BERNARDINE SUTTON, SECRETARY
OWEN MCCOOK, ASSISTANT GENERAL MANAGER
REDWINE AND SHERRILL, ATTORNEYS

File: 0645.61

Alden Briggs
U.S. Bureau of Reclamation
Lower Colorado Regional Office
Post Office Box 61470
Boulder City, Nevada 89006

Dear Mr. Briggs:

This letter is in response to the February 10 letter by Legrand Neilson, copy enclosed.

The monthly use for the Coachella Valley Water District (CVWD) in the table for the State of California does not agree with our figures.

Enclosed is a graph of CVWD diversions as recorded by Imperial Irrigation District just downstream from Imperial Dam at Station No. 60. Also plotted on the same graph, are the monthly diversions as recorded by CVWD at Drop No. 1 (the Coachella turnout).

While both Imperial Irrigation District and CVWD figures seem to parallel each other, the monthly plotting of the Decree accounting figures do not. After careful review of CVWD records, we found no obvious reason why this should be so. Therefore, I have brought this to your attention.

If you have any questions or require additional information please call me.

Yours very truly,

TS
Owen McCook

Tom Levy
General Manager-Chief Engineer *TS*

RAR:kb/ed4

Enclosures/2/as

cc: Gerald Davisson (with enclosures)
Palo Verde Irrigation District
Jan Matusak (with enclosures)
Municipal Water District of Southern California
Charles Shreves (with enclosures)
Imperial Irrigation District
Gerald Zimmerman (with enclosures)
Colorado River Board
TRUE CONSERVATION
USE WATER WISELY

WA
3-2-92/ag
Copy: WD
How does
agree? *WA*
3/2/92/Char
Copy Flowers

7-234



United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

IN REPLY REFER TO:

LC-460

WTR-4.10

C.V.W.D

FEB 10 1992

To: All Interested Persons

From: Regional Supervisor of Water, Land, and Power

Subject: Estimate of 1991 Colorado River Water Use (Water Accounting)

Enclosed are the estimates of yearend 1991 water use for all users in the lower basin. The estimate currently indicates that total water use in the Lower Colorado River Basin is within the 7.5-million-acre-foot limit established in the Annual Operating Plan for 1991.

The actual use data contained in the estimates will provide the basis for the "Compilation of Records in Accordance with Article V of the Supreme Court of the United States in Arizona v California" (Article V records) for calendar year 1991. We are asking that each user review the actual use data and notify us if any of the records appear to have errors. Your review of the accuracy of the records during the year will help us complete the Article V records in a timely fashion. The 1991 Article V records will be used as a basis for determining, among other things, the extent to which any individual user of Colorado River water may have exceeded their entitlement.

For any further information concerning our water use accounting and projection process please contact Mr. Alden Briggs at 702-293-8677.

Wm. Grand Wilson

Enclosure

CA
CA
CA
CA
CA

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1991
STATE OF CALIFORNIA

01/25/92

(ACRE-FEET)

CA WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	1/
CA FORT MOHAVE INDIAN RESERVATION CA PUMPED FROM RIVER AND WELLS	DIVERSION 7/ RETURNS CONSUMPTIVE USE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
CA CITY OF NEEDLES CA 4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION RETURNS CONSUMPTIVE USE	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	NA NA 0	0 0 0	
CA METROPOLITAN WATER DISTRICT CA DIVERSION FROM LAKE HAVASU	DIVERSION RETURNS 2/ CONSUMPTIVE USE	106398 312 106086	97079 275 96804	102139 315 101824	96969 282 96687	109746 279 109467	104761 245 104516	110195 267 109928	107163 267 106896	104936 258 104678	107462 261 107201	101426 300 101126	107446 307 107139	1255720 3368 1252352	
CA PARKER DAM AND GOVERNMENT CAMP CA DIVERSION AT PARKER DAM	DIVERSION RETURNS CONSUMPTIVE USE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
CA COLORADO RIVER INDIAN RESERVATION CA PUMPED FROM 11 PUMPS AND WELLS CA 4 PUMPS BIG RIVER	DIVERSION 4/ DIVERSION 4/ RETURNS CONSUMPTIVE USE	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	NA NA NA	0 0 0	
CA CITY OF WINTERHAVEN CA 1 WELL SE SE NE SEC 27 T16S R22E SBM	DIVERSION 6/ RETURNS CONSUMPTIVE USE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
CA PALO VERDE IRRIGATION DISTRICT CA DIVERSION FROM PALO VERDE DAM	DIVERSION RETURNS CONSUMPTIVE USE	29920 28830 1090	53070 29640 23430	43250 32979 10271	82250 34428 47822	92010 36509 55501	104900 37084 67816	109900 41952 67948	98760 43380 55380	78150 41233 36917	68490 40539 27951	45300 37249 8051	50060 35132 14928	856060 438955 417105	
CA YUMA PROJECTS, RES. DIV. INDIAN UNIT CA DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	2054 73 1981	3083 59 3024	3128 51 3077	3826 35 3791	5353 71 5282	4618 46 4572	3921 44 3877	3237 37 3200	4958 104 4854	8037 203 7834	5713 161 5552	2523 207 2316	50451 1091 49360	
CA YUMA PROJECTS, RES. DIV. BARD UNIT CA DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	1583 31 1552	2722 28 2694	3471 34 3437	5446 32 5414	7002 58 6944	5956 38 5918	5217 37 5180	4149 30 4119	4211 49 4162	6677 95 6582	4891 78 4813	1985 93 1892	53310 603 52707	
CA RETURNS FROM YUMA PROJECT CA RESERVATION DIVISION RETURNS CA COMBINED BARD AND INDIAN UNITS USE CA IMPERIAL IRRIGATION DISTRICT CA DIVERSION AT IMPERIAL DAM	RETURNS 3/ CONSUMPTIVE USE	3557 -24	2602 3116	3369 3145	2669 6536	3475 8751	3679 6811	3285 5772	2538 4781	3110 5906	4233 10183	4071 6294	3697 511	40285 61782	
CA COACHELLA VALLEY WATER DISTRICT CA DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	122147 7086 115061	179518 5736 173782	207602 6012 201590	345709 5954 339755	362615 8872 353743	325269 6008 319261	343316 7197 336119	313786 6572 307214	249550 8753 240797	267751 11165 256586	198597 9303 189294	86732 11462 75270	3002592 94120 2908472	
CA COACHELLA VALLEY WATER DISTRICT CA DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	16909 981 15928	24524 784 23740	15790 457 15333	31399 541 30858	32934 806 32128	29542 546 28996	42614 893 41721	35899 752 35147	30062 1054 29008	26377 1100 25277	15327 718 14609	17638 2331 15307	319015 10963 308052	
CA OTHER USERS PUMPING FROM COLORADO CA RIVER AND WELLS IN FLOOD PLAIN CA DAVIS DAM TO INTERNATIONAL BOUNDARY CA	DIVERSION 5/ RETURNS CONSUMPTIVE USE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	

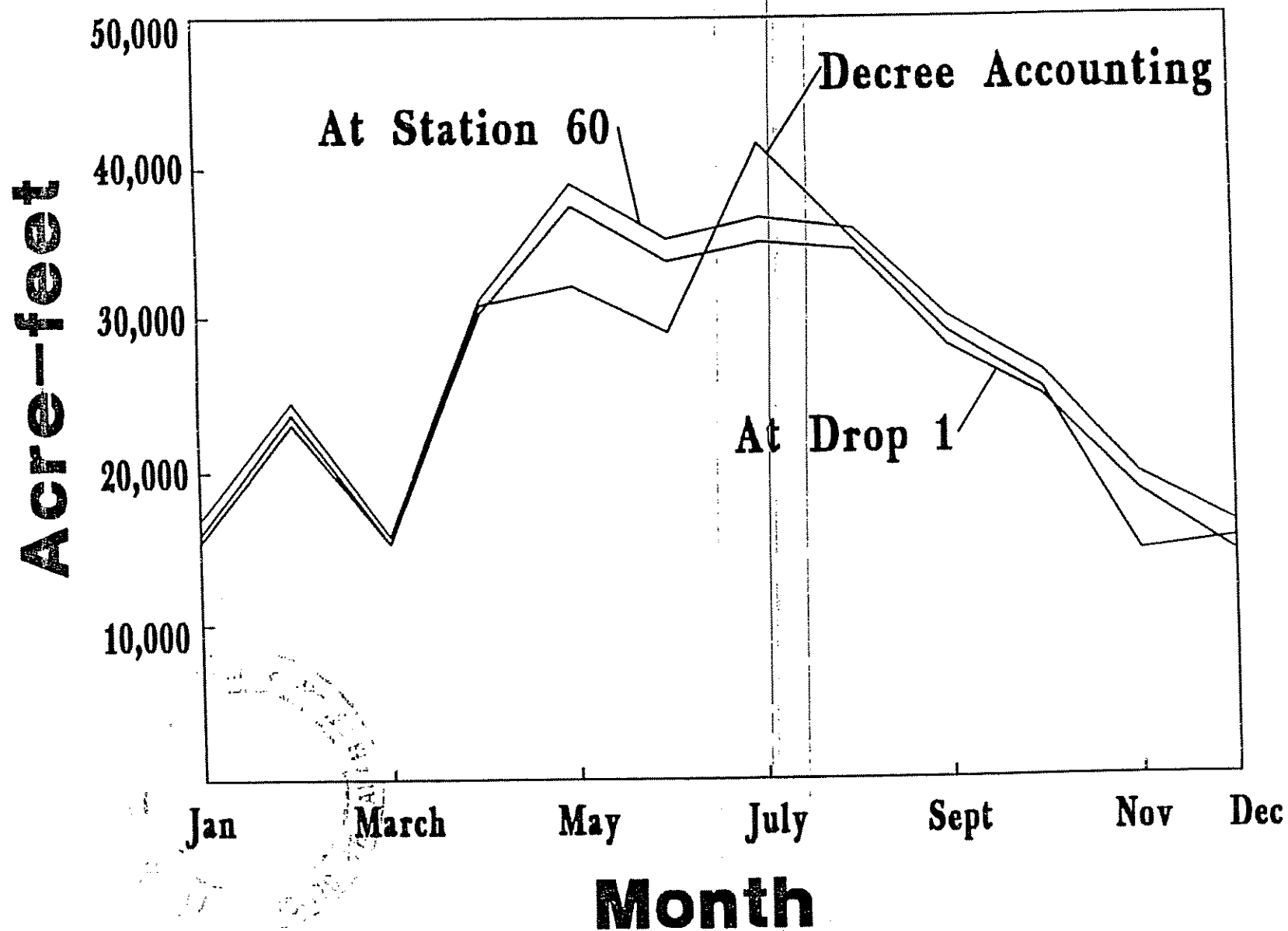
660
REPORT

2,985,177 + 17,41

327,770 - 8,75

"ESTIMATES" OF 1991 WATER USE!

1991 Decree Accounting Coachella Valley Water District



7.235



IMPERIAL IRRIGATION DISTRICT

OPERATING HEADQUARTERS • P O BOX 937 • IMPERIAL CALIFORNIA 92231

(619) 339-9477

FAX (619) 339-9392

GM

October 1, 1991

Mr. David F. Gudgel
Project Manager
Bureau of Reclamation
P. O. Box D
Yuma, AZ 85366

Dear Mr. Gudgel:

Subject: Estimates of Diversions and Returns
Colorado River 1992

The attached information is submitted in accordance with Mr. Robert J. Towles' letter of September 6, 1991, requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District (IID) and Coachella Valley Water District for 1992.

We have included the diversions at Parker Dam for the Metropolitan Water District's (MWD) use as a result of the Water Conservation Agreement between IID and MWD.

Yours truly,

Charles L. Shreves
CHARLES L. SHREVES

General Manager

Attach.

cc: Mr. Robert J. Towles, USBR
Mr. Thomas E. Levy, CVWD
Mr. Carl Boronkay, MWD

21

Month	Estimated 1992 Water Requirements (Acre-Feet)				
	Imperial Irrigation District			Coachella Valley Water District	Total IID, and CVWD at Imperial Dam
	Without IID/MWD Conservation Program	With IID/MWD Conservation Program			
		IID	Transfer to MWD		
January	141,520	140,000	1,520	19,000	159,000
February	181,950	180,000	1,950	24,000	204,000
March	272,930	270,000	2,930	33,000	303,000
April	343,690	340,000	3,690	36,000	376,000
May	343,690	340,000	3,690	40,000	380,000
June	303,250	300,000	3,250	38,000	338,000
July	333,580	330,000	3,580	42,000	372,000
August	313,360	310,000	3,360	42,000	352,000
September	262,820	260,000	2,820	34,000	294,000
October	232,490	230,000	2,490	26,000	256,000
November	181,950	180,000	1,950	20,000	200,000
December	141,520	140,000	1,520	18,000	158,000
TOTAL	3,052,750	3,020,000	32,750	372,000	3,392,000

7.236



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470



LC-460
RES-3.10

SEP 6 1991

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial CA 92251

Subject: Estimates of Diversions and Returns - Colorado River 1992 (Due Date September 30, 1991) (Water Conservation)

Dear Mr. Shreves:

The Bureau of Reclamation is directed by Part 417 of Title 43, Code of Federal Regulations, to consult with Colorado River water users each year regarding water conservation and the use of Colorado River water. Pursuant to those regulations, we are requesting your best estimates of monthly diversion requirements, to be used in conjunction with those furnished by other entities, to plan river operations for the coming calendar year. Please send your monthly diversion estimates for calendar year 1992 to our Yuma Projects Office by September 30, 1991. We ask that your diversion estimates be as accurate as possible, so that we can plan next year's operations and inform low priority water users of available supplies.

The Secretary of the Interior has not yet implemented the 1992 operating plan. However, we anticipate that the plan will determine that "normal" water availability conditions exist for 1992 and will once again provide for meeting uses in the lower division states not to exceed 7.5 million acre-feet. The plan will reflect the below average reservoir inflow during 1988, 1989, 1990, and 1991, the dry condition of the basin, and the vacant reservoir space that currently exists while recognizing the beneficial water needs of the basin states. These conditions reinforce the need for your schedules to reflect conservation and prudent beneficial use.

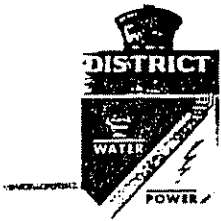
We would like to meet with you to discuss your diversion requirements, water conservation plans, and other related topics. Our Yuma Projects Office will be in further contact with you to set a date and time that is mutually convenient. We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely,

Robert J. Towles
Regional Director

LA
action copy to W.P.
9/9/91

7-237



IMPERIAL IRRIGATION DISTRICT

OPERATING HEADQUARTERS • P O BOX 937 • IMPERIAL, CALIFORNIA 92251

(619) 339-9477

FAX (619) 339-9392

GM

October 1, 1991

Mr. David F. Gudgel
Project Manager
Bureau of Reclamation
P. O. Box D
Yuma, AZ 85366

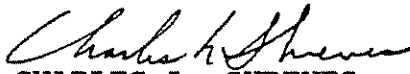
Dear Mr. Gudgel:

Subject: Estimates of Diversions and Returns
Colorado River 1992

The attached information is submitted in accordance with Mr. Robert J. Towles' letter of September 6, 1991, requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District (IID) and Coachella Valley Water District for 1992.


We have included the diversions at Parker Dam for the Metropolitan Water District's (MWD) use as a result of the Water Conservation Agreement between IID and MWD.

Yours truly,


CHARLES L. SHREVES
General Manager

Attach.

cc: Mr. Robert J. Towles, USBR
Mr. Thomas E. Levy, CVWD
Mr. Carl Boronkay, MWD



7-238

WD

October 24, 1990

WD *AB*

U.S. Dept. of the Interior
Yuma Projects Office - Region 3
P.O. Bin 12487
Yuma, AZ 85365

Gentlemen:

Subject: Your LC-460 - Estimates of Diversions and Returns
Colorado River 1991

This letter supersedes our correspondence on this subject dated October 18, 1990. We have revised our 1991 estimate of diversions to include the diversion at Parker Dam for MWD's use as a result of the Water Conservation Agreement between IID and MWD. We have included the conserved water as a portion of IID's total request.

Month	Imperial Irrigation District	Coachella Valley Water District	Acre-Feet Total
January	140 000	20 000	160 000
February	180 000	22 000	202 000
March	290 000	32 000	322 000
April	330 000	37 000	367 000
May	330 000	43 000	373 000
June	310 000	38 000	348 000
July	330 000	41 000	371 000
August	310 000	40 000	350 000
September	260 000	33 000	293 000
October	250 000	26 000	276 000
November	190 000	21 000	211 000
December	160 000	19 000	179 000
Total @ Imperial Dam	3 080 000	372 000	3 452 000
Diversion @ Parker Dam for MWD	26 700		26 700
Total	3 106 700	372 000	3 478 700

Yours very truly,

131

CHARLES L. SHREVES
General Manager

Copy to Mr. Thomas E. Levy, CVWD, Mr. Edward Hallenbeck, USBR
Mr. Carl Boronkay, MWD

Month	Estimated 1991 Water Requirements (Acre-Feet)				
	Imperial Irrigation District			Coachella Valley Water District	Total IID, CVWD, MWD at Parker Dam
	Without IID/MWD Conservation Program	With IID/MWD Conservation Program			
		IID	Transfer to MWD		
January	142,225	140,000	2,225	20,000	162,225
February	182,225	180,000	2,225	22,000	204,225
March	292,225	290,000	2,225	32,000	324,225
April	332,225	330,000	2,225	37,000	369,225
May	332,225	330,000	2,225	43,000	375,225
June	312,225	310,000	2,225	38,000	350,225
July	332,225	330,000	2,225	41,000	373,225
August	312,225	310,000	2,225	40,000	352,225
September	262,225	260,000	2,225	33,000	295,225
October	252,225	250,000	2,225	26,000	278,225
November	192,225	190,000	2,225	21,000	213,225
December	162,225	160,000	2,225	19,000	181,225
TOTAL	3,106,700	3,080,000	26,700	372,000	3,478,700

7-239

October 24, 1990

Mr. Edward M. Hallenbeck, Regional Director
U.S. Bureau of Reclamation
Lower Colorado Regional Office
P.O. Box 427
Boulder City, NV 89005

Dear Mr. Hallenbeck:

Subject: Reduction in Diversions - Calendar Year 1990 (Water
Allocation)

Your letter of August 22, 1990 requested that Imperial Irrigation District (IID) prepare a water consumption reduction plan which would have as its goal keeping IID consumption from exceeding 2,980,000 acre-feet (AF) during 1990, and provide you with corollary documentation. We responded to this letter on September 18, 1990. Your October 12, 1990 response to our letter demonstrates that a serious misunderstanding exists between IID and yourself on the appropriate means by which the water allocation and availability questions raised in these letters should be addressed.

IID remains committed to meeting with you and other members of the Seven Party Agreement in a good faith attempt to develop equitable procedures and methods that will ensure the beneficial use of Colorado River water so that such use does not exceed specified entitlements. We agreed with you about the adoption of good faith programs to conserve water, but did not agree to develop a plan to reduce diversions this year by 88 percent of the projected overage.

As stated in our September 18, 1990 letter, IID, in recognition of the pending State water crisis, has expedited implementation of certain water conservation projects and has initiated a voluntary water conservation program which should result in a reduction in IID's consumptive use throughout the remainder of calendar year 1990.

You stated in your August 22, 1990 letter that you based your directive on "our authority to require delivery schedule reductions

/s/

under Part 417 of Title 43 of the Code of Federal Regulations." Accordingly, we objected and requested further consultation as provided under Part 417.

We agree with your position that any required delivery schedule reductions should be consistent with established priority entitlements. However, we believe your August 22 letter to IID is inconsistent with these entitlements and does not at all consider IID's clear priority. In light of the 1934 contract and in furtherance of prior rights, Coachella Valley Water District (CVWD) is obligated to assume the burden of 100 percent of project overages.

In our view, any action by the Bureau of Reclamation that has as its "goal" the reduction in diversions by members of the Seven Party Agreement must, at a minimum, be consistent with these entitlements and priorities. Since it is CVWD's diversions, added to the required priority diversions of Palo Verde Irrigation District (PVID), Yuma Projects Reservation District (YPRD) and IID, that is causing the overage, any required plan for reductions should be developed by Coachella and not by the other diverters. Therefore, we are not obligated to, nor should we: (1) develop and submit to you a plan to reduce diversions; (2) implement the plan; and (3) submit a revised schedule with reduced diversions.

The tenor of your letter suggests that you may not be aware of many IID activities. You have asked for additional conservation projects to be outlined by the IID, without, apparently, recognizing the 138,000 AF of annual water conserved historically, and the 106,110 AF of water conservation projects being implemented currently. Unlike irrigation districts that are only now preparing water conservation programs, IID has been concrete lining canals, educating the public, and improving on-farm water use efficiency for decades.

Our current 106,110 AF water conservation program is based upon many years of research, conducted to determine the most cost-effective means of conserving water. Your August 22, 1990 letter requests additional water conservation plans for projects that will have no economic impact. This implies that either the Bureau believes that IID should not cut off water to farmers that will affect their capability to realize full yields from their crops this year, but find ways for them to achieve full yield with less water, or, that Metropolitan Water District and IID have somehow ignored economically justifiable water conservation projects that would save more water (or would save water faster). Either belief would be erroneous.

We appreciate the copy of CVWD's "Intensive Water Conservation Plan - Informational Report," but we must point out that "Proposals" 1,

most of 2, 4, and 5 have already been implemented by IID. We have no capability to pump from wells as in their Proposal 3. Far from "proposals," which are to be implemented in 1991, our water conservation measures are implemented programs, evidence of which was provided to you in our letter of September 18, 1990. It does not seem reasonable to credit one irrigation district for "proposing" a project, and not credit IID for having actually implemented the same "proposal." As we have done previously, we are providing you with a complete outline of the current water conservation projects, with implementation schedules, and anticipated water conservation amounts (see Appendices A through D).

The CVWD report also cautions that (p. 18) "cumulative effects of current ongoing water conservation practices . . . have markedly reduced potential water conservation opportunities. In a very real sense, the effects of the 'law of diminishing returns' have become increasingly apparent." We submit that with the massive scale of our current water conservation effort, our point of diminishing returns has already arrived, and further conservation will be accomplished only with economic impacts, which, if not mitigated, would result in significant and far-reaching hardship.

It is also difficult to envision a more serious "good faith effort" than that provided by our water conservation program. Again, these are not "proposed" projects, which may or may not be carried out. These projects are being implemented, saving real water, and making a real impact on tightened water supplies.

Another point that must be made is that agricultural practices dictate IID water orders. All the "good faith" programs in the world will not necessarily result in reduced water consumption if agricultural demand increases. For instance, while historical water conservation programs, e.g. canal lining, have undoubtedly conserved water, actual Imperial Valley water use has not diminished over time. Cropping patterns, specific crop water consumption, and rainfall play dominant roles in determining water needs for the Imperial Valley.

The IID portion of flow past Imperial Dam for the years 1963 through 1989 has averaged 2,872,923 AF, which is 3.6 percent below the goal of 2,980,000 AF you wish to establish for this year. The deviations from the average (refer to Appendix E) show the futility in trying to predict agricultural water needs during any one specific year. Attempting to "micro-manage" a few months of water delivery appears unreasonable, at best. For example, notice the high coefficient of variation in the water requirement for the month of December, as shown in Appendix E.

Since the Bureau has not been active in our water conservation programs for several years, we have attached some of the documents we have produced during this period to help assure you that our conservation program has been, and is, active. These documents are provided as Appendices A, B, C, and D.

Again, we fully intend to expedite water conservation activities to the maximum extent possible. Further evidence of this is contained in our letters to the Mayors of Imperial Valley cities, our most recent water conservation advertisements and radio announcements, meetings with the farmers of all six Divisions of the District, and the development of Canal Operating Procedures for each lateral of all six Divisions (enclosed).

Finally, we ask that you review the enclosed data, compare it to that available from other Districts, and ask yourself if any District in the United States has done more to study and implement conservation than has the Imperial Irrigation District. We are particularly pleased to point out Items D1, D2, and D3, which are water conservation awards presented by the Bureau, the Association of California Water Agencies, and The Irrigation Association, respectively.

In summary, the following points outline our position:

- 1) The established priority entitlements must be followed.
- 2) Pending further negotiations concerning this issue, IID will continue to conserve and increase wherever possible voluntary efforts to assist CVWD, PVID, and YPRD in meeting our mutual goal of beneficially using no more than 3.85 MAF of Colorado River water in 1990.
- 3) The "law of diminishing returns" restricts our ability to implement additional water conservation programs without significant and far reaching economic hardship.
- 4) IID has undertaken and will continue with its good faith efforts to conserve water, expedite implementation of conservation projects, and initiate a voluntary water conservation program. In our view, little credit has been given for historical and current IID water conservation projects. We have, in fact, implemented most of the provisions "proposed" by CVWD.
- 5) Agricultural practices and weather conditions dictate water use and have resulted in significant fluctuations in diversions over the years, especially during the month of December.

Mr. Edward M.Hallenbeck

-5-

October 24, 1990

As requested in our September 18, 1990 letter to you, we believe further consultation with you will result in a better understanding of our concerns and positions in this matter. Also, we look forward to continuing good faith discussions with you and the other members of the Seven Party Agreement that hopefully will result in appropriate means to ensure that the use of Colorado River water does not exceed the specified amounts.

Sincerely,

|S|

CHARLES L. SHREVES
General Manager

CONTENTS

Appendix A: Listing of Water Conservation Documents

- Item A1: United States Bureau of Reclamation, Water Conservation Opportunities, Imperial Irrigation District, California - Special Report, July 1984. (not included)
- Item A2: Imperial Irrigation District, Water Conservation Plan (1985) and Supplement, August 1985.
- Item A3: Parsons Water Resources, Water Requirements and Availability Study, November 1985.
- Item A4: Parsons Water Resources, Water Transfer Study, November 1985. (not included)
- Item A5: Parsons Water Resources, Draft Environmental Impact Report (EIR) Proposed Water Conservation Program and Initial Water Transfer, April 1986.
- Item A6: Imperial Irrigation District, Water Conservation Plan Update, June 1986.
- Item A7: Parsons Water Resources, Water Conservation Program Implementation Plan, September 1986.
- Item A8: Parsons Water Resources, Final Environmental Impact Report (EIR) Proposed Water Conservation Program and Initial Water Transfer, October 1986.
- Item A9: Imperial Irrigation District, Water Conservation Activities (1986).
- Item A10: Imperial Irrigation District, Water Conservation Activities (1987).
- Item A11: Imperial Irrigation District, Water Conservation Activities Through December 1987.
- Item A12: Imperial Irrigation District, Water Conservation Implementation Plan, December 1988.
- Item A13: Imperial Irrigation District and Metropolitan Water District, Agreement for the Implementation of a Water Conservation Program and Use of Conserved Water, January 1989.
- Item A14: Imperial Irrigation District, Metropolitan Water District, Palo Verde Irrigation District, and Coachella Valley Water District, Approval Agreement, December 1989.

Appendix B: Progress of IID/MWD Projects to Date

Item B1: Imperial Irrigation District, Status of Water Conservation Projects, October 1990.

Appendix C: Public Awareness Material

Item C1: Letter to local cities requesting support for voluntary water conservation.

Item C2: Minutes from meetings with local farmers to encourage voluntary water conservation.

Item C3: Water Conservation Public Awareness Campaign Material

Item C4: Imperial Irrigation District Public Information Folder

Appendix D: Listing of Other Related Material

Item D1: United States Bureau of Reclamation, Water Conservation Award presented to Imperial Irrigation District in recognition of water conservation achievements, November 1, 1989

Item D2: Association of California Water Agencies, Water Management Awareness Program Certificate, 1986.

Item D3: The Irrigation Association, National Water and Energy Conservation Award for 1990, presented to IID and MWD.

Item D4: Imperial Irrigation District, Rules Concerning Tailwater Assessments and Delivery Adjustments to Conserve Water - 15-Point Program.

Item D5: Imperial Irrigation District, Rules and Regulations Governing the Distribution and Use of Water.

Item D6: Imperial Irrigation District, Irrigation Scheduling Program - Technical Paper.

Item D7: Imperial Irrigation District, Tailwater Recovery Demonstration Program Study - September, 1990.

Item D8: Imperial Irrigation District, Weekend Water Rate Reduction - Trial Program Report, February 1987.

Item D9: Imperial Irrigation District, Twelve Hour Delivery Trial Program Report.

Item D10: United States Bureau of Reclamation, Colorado River Underground Storage and Recovery Study - Executive Summary.

- Item D11: Imperial Irrigation District, Water Conservation and Quality Bond Law of 1986 - Program Application.
- Item D12: Imperial Irrigation District, Control and Eradication of Hydrilla from Imperial Valley, CA.
- Item D13: Imperial Irrigation District, Investigation of Main Supply Canal and Lateral Fluctuations - Technical Paper.
- Item D14: Imperial Irrigation District and United States Bureau of Reclamation, East Highline Canal Seepage Study - Cooperative Study.
- Item D15: Imperial Irrigation District, Salton Sea Hydrologic Model.
- Item D16: Imperial Irrigation District, Slide Rule for Water Measurement.
- Item D17: Westmorland Division Canal Operation Procedures.
- Item D18: Brawley Division Canal Operation Procedures.
- Item D19: Holtville Division Canal Operation Procedures.
- Item D20: El Centro, Calexico Division Canal Operation Procedures.
- Item D21: ~~Imperial Division Canal Operation Procedures.~~
- Item D22: Calipatria Division Canal Operation Procedures.

Appendix E: IID Historical Water Requirements

- Item E1: Imperial Irrigation District, IID Historical Water Requirements vs. U.S.B.R. Request, October 1990.
- Item E2: Actual vs. Estimated Flow at AAC Station 60.

7-240

WD

October 18, 1990

WD *[Signature]*

U.S. Dept. of the Interior
Yuma Projects Office - Region 3
P.O. Bin 12487
Yuma, AZ 85364

Gentlemen:

Subject: Your LC-460 - Estimates of Diversions and Returns
Colorado River 1991

We are submitting the following information in accordance with letter from Mr. Edward M. Hallenbeck dated September 26, 1990 requesting estimate of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and Coachella Valley Water District for year 1991.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	140 000	20 000	160 000
February	180 000	22 000	202 000
March	290 000	32 000	322 000
April	330 000	37 000	367 000
May	330 000	43 000	373 000
June	310 000	38 000	348 000
July	330 000	41 000	371 000
August	310 000	40 000	350 000
September	260 000	33 000	293 000
October	250 000	26 000	276 000
November	190 000	21 000	211 000
December	<u>160 000</u>	<u>19 000</u>	<u>179 000</u>
Total	3 080 000	372 000	3 452 000

Yours very truly,

Charles L. Shreves
CHARLES L. SHREVES
General Manager

clc
a:9lwtr
Copy to Mr. Thomas E. Levy, CVWD
Mr. Edward Hallenbeck, USBR

Typed info to Yuma Projects

7-241



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005



IN REPLY
REFER TO:

LC-460
RES-3.10

SEP 26 1990

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial CA 92251

Subject: Estimates of Diversions and Returns - Colorado River 1991 (Due Date October 22, 1990) (Water Conservation)

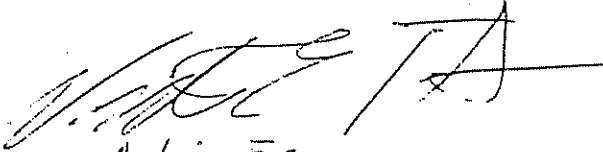
Dear Mr. Shreves:

The Bureau of Reclamation is directed by Part 417 of Title 43, Code of Federal Regulations (43 CFR 417), to consult with Colorado river water users each year regarding water conservation and the use of Colorado River water. Pursuant to those regulations, we are requesting your best estimates of monthly diversion requirements, to be used in conjunction with those furnished by other entities, to plan river operations for the coming calendar year. Please send your monthly diversion estimates for calendar year 1991 to our Yuma Projects Office by October 22, 1990. We ask that your diversion estimates be as accurate as possible, so that we can plan next year's operations and inform low priority water users of available supplies.

The Secretary of the Interior has not yet signed the final 1991 operating plan. However, we anticipate that the plan will declare "normal" operating conditions for 1991 and indicate that use in the lower basin will again be limited to 7.5 million acre-feet. Such a plan reflects relatively full reservoir storage levels in combination with the dry runoff conditions of the basin over the last three years. These conditions reinforce the need for your schedules to reflect conservation and prudent beneficial use.

We would like to meet with you to discuss your diversion requirements, water conservation plans, and other related topics. Our Yuma Projects Office will be in further contact with you to set a date and time that is mutually convenient. We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely,

A handwritten signature in dark ink, appearing to read 'E. M. Hallenbeck', with a long horizontal line extending to the right.

Acting for
Edward M. Hallenbeck
Regional Director

7-242



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005



IN REPLY
REFER TO:

LC-470
WTR-4.10

OCT 12 1990

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial CA 92251

Subject: Reductions in Diversions - Calendar Year 1990 (Your Letter Dated September 18, 1990) (Water Allocation)

By our letter of August 22, 1990, we directed Imperial Irrigation District (IID) to:
(1) Develop a plan which has as its goal the reduction of Colorado River water diversions for the remainder of calendar year 1990 such that total consumptive use by IID would not exceed 2,980,000 acre-feet; (2) to provide to this office by September 15, 1990, a written copy of the plan; and (3) to provide progress reports which were to include revised monthly diversion schedules. A letter of the same date was written to Coachella Valley Water District (CVWD) directing that they prepare a similar plan. Letters were also written to Palo Verde Irrigation District, Bard Water District, and the Quechan Indian Tribe urging each to consider means of reducing diversions for the remainder of the calendar year.

In your September 18, 1990, letter regarding our directed plan, you state that IID does not believe our determination is reasonable and objects to our demands. Further, you state that our "... position appears to be inconsistent and in direct conflict with earlier correspondence ..." listing our letters of December 29, 1989; February 16, 1990; and an undated letter in June 1990 (the copy of this letter sent to you was apparently not stamped with a date by our mail room and was actually dated June 13, 1990).

In response, let us clarify our position. As stated therein, our February 16 letter superseded the December 29, 1989, letter. In our letters dated February 16 and June 13, 1990, we stated consumptive use of water under the first three priorities of the Seven Party Agreement would be limited to 3.85 million acre-feet (maf). We also stated that if we determined during the year that consumptive use would exceed the 3.85 maf limit, we would request diversion schedule revisions. Further, if such revisions did not show diversion reductions adequate to stay within the 3.85 maf limit, we would require delivery schedule reductions consistent with established priority entitlement.

[Handwritten signature]

In our July 20, 1990, letter, we announced our determination that the total consumptive use under the first three priorities would likely exceed the limitation and requested each of the water users of the first three priorities to furnish updated schedules of deliveries for the remainder of the calendar year. Subsequently, we held meetings with water users of the first three priorities on August 2 and 8, 1990, to discuss projected consumptive use and to attempt to reach agreement as to how water use could be managed to hold consumptive use to 3.85 maf. As a result of those meetings, we believed that it was agreed that IID and CVWD would make a good faith effort to develop and implement a plan with the "goal" of reducing diversions so that the 3.85 maf consumptive use entitlement under the first three priorities would not be exceeded in calendar year 1990. IID and CVWD were asked to develop specific plans because their location away from the river afforded more opportunity to reduce consumptive use through conservation, not because of their relative priority under the Seven Party Agreement.

Our August 22 letter is not a formal determination requiring delivery schedule reductions under Part 417 of Title 43, Code of Federal Regulations, nor is it intended to interpret or modify the Seven Party Agreement or the Agreement of Compromise between CVWD and IID. The letter directed the preparation of a plan which would have as its "goal" the reduction of diversions, as agreed at our August 8, 1990, meeting. The preparation of such a plan adds to the process described in our previous letters; we do not see such an addition as being inconsistent with our previous correspondence, especially in view of the meetings we had with you and the other California water users. We are attempting to manage the contractual entitlement under the first three priorities of the Seven Party Agreement in a manner that will keep the 3.85 maf entitlement from being exceeded and, therefore, not require a formal reduction in delivery schedules.

In summary, it is the Secretary of the Interior's (Secretary) responsibility to guard against exceeding 3.85 maf consumptive use under the first three priorities of the Seven Party Agreement. The Secretary's position is consistent with our previous correspondence on the subject and with the 1990 Annual Operating Plan for the Colorado River which takes into consideration the amount of water in storage.

As discussed at our meeting on September 27, 1990, we believe that your September 18, 1990, letter does not reflect the good faith effort we expected, which was that IID would provide to us a plan with the "goal" to reduce diversions. The measures discussed in your September 18 letter and in a letter dated September 21 may result in reduced diversions; however, the letters are unclear as to the amount of reduction which is estimated to be accomplished by each measure. We are also unable to determine what specific actions are being taken by IID in the remainder of the calendar year to attempt to reach the established goal for consumptive use.

Therefore, we are requesting that by October 26, 1990, you provide to us a revised plan which incorporates more specific information regarding the actions to be taken and the amount of water that may be conserved by each.

We have enclosed the plan provided by CVWD in response to your request. It may provide some thoughts as to how your plan might be modified to address our concerns.

We still believe that reduced diversions on the part of IID to meet the established goal are achievable. Such an effort will help keep water use within the contractual entitlement established under the first three priorities of the Seven Party Agreement and can be achieved, we believe, without requiring reductions in crop production.

Sincerely,



~~W. Brown~~ FOR Edward M. Hallenbeck
Regional Director

Enclosure

cc: Mr. Gerald Zimmerman
Executive Director
Colorado River Board of California
107 South Broadway, Room 8103
Los Angeles CA 90012
(w/o cy encl to ea)

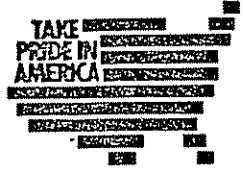
Mr. Thomas Levy
General Manager and Chief Engineer
Coachella Valley Water District
P.O. Box 1058
Coachella CA 92236

7-243



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005
FEB 4 6 1989



IN REPLY
REFER TO:

LC-470

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial CA 92251

Subject: Estimated Monthly Diversion from the Colorado River for Calendar Year
1989 (Water Conservation)

Dear Mr. Shreves:

Pursuant to provisions of Part 417 of Title 43, Code of Federal Regulations, as revised, this is to inform you of the recommendations and determinations of this office regarding your district's proposed schedule of diversions and beneficial use of Colorado River water during calendar year 1989.

On the basis of the estimates you furnished and the meeting we held with Messrs. Bob McCullough, George Wheeler and Jesse Silva of your staff on February 2, 1989, your district's diversion request of 2,800,000 acre-feet is approved. Application for modification of this determination may be made in accordance with provisions found in Part 417. If it should become apparent at some point during the year that your estimates need to be adjusted, please let us know as soon as possible.

Sincerely,

Robert W. Johnson, ACTING FOR
Regional Supervisor of Water,
Land, and Power

3-6-89/sg
Copy: Wheeler/Silva
JWS

7-244

WD

April 19, 1990

U.S. Dept. of the Interior
Yuma Projects Office - Region 3
P.O. Bin 12487
Yuma, AZ 85364

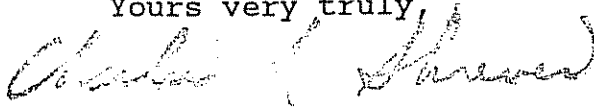
Gentlemen:

Subject: Revised Estimated Monthly Colorado River
Diversions at Imperial Dam

The following information is the Imperial Irrigation District's revised estimate of monthly Colorado River diversions at Imperial Dam for 1990.

<u>Month</u>	<u>Acre-Feet</u>
January	148 820 (Actual)
February	183 571 (Actual)
March	280 000
April	320 000
May	310 000
June	300 000
July	300 000
August	300 000
September	270 000
October	230 000
November	190 000
December	<u>160 000</u>
Total	2 992 391

Yours very truly,



CHARLES L. SHREVES
General Manager

clc
a:90wtr.rev
Copy to Mr. Hallenbeck (USBR)

7-245

IIDWD

September 12, 1989

U.S. Dept. of the Interior
Yuma Projects Office - Region 3
P.O. Bin 12487
Yuma, AZ 85364

WD BS

Gentlemen:

Subject: Your LC-460 - Estimates of Diversions and Returns
Colorado River 1990

We are submitting the following information in accordance with letter from Mr. Edward M. Hallenbeck dated August 30, 1989 requesting estimate of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and Coachella Valley Water District for year 1990.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	140,000	22,000	162,000
February	160,000	27,000	187,000
March	300,000	37,000	337,000
April	330,000	39,000	369,000
May	320,000	39,000	359,000
June	300,000	36,000	336,000
July	300,000	40,000	340,000
August	300,000	38,000	338,000
September	270,000	31,000	301,000
October	230,000	25,000	255,000
November	190,000	17,000	207,000
December	160,000	22,000	182,000
Total	3,000,000	373,000	3,373,000

Yours very truly,

Charles L. Shreves

CHARLES L. SHREVES
General Manager

clc
A:WTR90

Copy to Mr. Thomas E. Levy, CVWD
Mr. Edward Hallenbeck, USBR

Handwritten signatures and initials:
m
w
EM
H

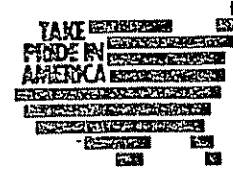
7-246



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO:
LC-460



AUG 30 1989

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial CA 92251

Subject: Estimates of Diversions and Returns - Colorado River 1990
(Due Date September 8, 1989) (Water Conservation)

Dear Mr. Shreves:

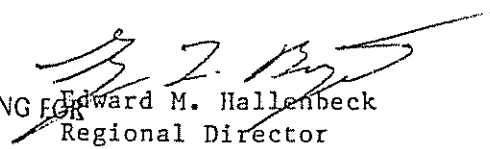
The Bureau of Reclamation is directed by Part 417 of Title 43, Code of Federal Regulations (43 CFR 417), to consult with you each year regarding water conservation and the use of Colorado River water in your district. As in previous years, we are using this opportunity to request your best estimates of monthly diversion requirements, to be used in conjunction with those furnished by other entities, to plan river operations for the coming calendar year. However, because of the need for an early determination of Colorado River operations, please send your 1990 estimates, by month, to our Yuma Projects Office by September 8, 1989. We ask that your delivery estimates be as realistic as possible, to satisfy only those deliveries reasonably required for the beneficial use of Colorado River water pursuant to 43 CFR 417.

The 1990 Annual Operating Plan will reflect the dry condition of the basin and the need for conservation and prudent beneficial use of Colorado River water. In recognition of the probability of refilling vacant reservoir space in subsequent years, requests for water by holders of water delivery contracts and by others with recognized water rights are expected to be satisfied during calendar year 1990.

We would like to meet with you to discuss your diversion requirements, water conservation plans, and other related topics. Our Yuma Projects Office will be in further contact with you to set a date and time that is mutually convenient. We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely,

ACTING FOR


Edward M. Hallenbeck
Regional Director

~~7~~.247

IIDWD

Clark/339-9263

November 8, 1988

WD gaw

U.S. Dept. of the Interior
Yuma Projects Office - Region 3
P.O. Bin 12487
Yuma, AZ 85364

Gentlemen:

Subject: Your LC-430 - Estimates of Diversions and Returns - Colorado
River 1989

Due to an error, Coachella's loss Station 60 to Drop 1 was not added to
Coachella's estimate. We are sorry for any inconvenience this has caused you.

Corrected figures are shown below.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	140,000	18,000	158,000
February	150,000	21,000	171,000
March	270,000	29,000	299,000
April	310,000	31,000	341,000
May	310,000	36,000	346,000
June	290,000	35,000	325,000
July	310,000	38,000	348,000
August	300,000	38,000	338,000
September	270,000	31,000	301,000
October	210,000	21,000	231,000
November	140,000	15,000	155,000
December	100,000	15,000	115,000
Total	2,800,000	328,000	3,128,000

Yours very truly,

Charles L. Shreves

CHARLES L. SHREVES
General Manager

Copy to Mr. Thomas E. Levy, CVWD
Mr. Edward Hallenbeck

WTR. EST89A

7-248

IIDWD

Clark/339-9263
October 28, 1988

WD Reu

U.S. Dept. of the Interior
Yuma Projects Office - Region 3
P.O. Bin 12487
Yuma, AZ 85364

Gentlemen:

Subject: Your LC-430 - Estimates of Diversions and Returns -
Colorado River 1989

We are submitting the following information in accordance with letter from Mr. Edward M. Hallenbeck dated October 18, 1988 requesting estimate of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and Coachella Valley Water District for year 1989.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	140,000	17,000	157,000
February	150,000	20,000	170,000
March	270,000	28,000	298,000
April	310,000	30,000	340,000
May	310,000	35,000	345,000
June	290,000	34,000	324,000
July	310,000	36,000	346,000
August	300,000	36,000	336,000
September	270,000	30,000	300,000
October	210,000	20,000	230,000
November	140,000	14,000	154,000
December	100,000	14,000	114,000
Total	2,800,000	314,000	3,114,000

Yours very truly,

Charles L. Shreves

CHARLES L. SHREVES
General Manager

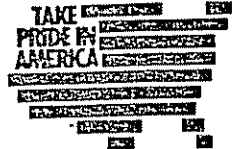
Copy to Mr. Thomas E. Levy, CVWD
Mr. Edward M. Hallenbeck

7-249



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005



IN REPLY
REFER TO:

OCT 18 1988

LC-430

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial CA 92251

Subject: Estimates of Diversions and Returns - Colorado River 1989
(Due Date November 1, 1988) (Water Conservation)

Dear Mr. Shreves:

The Bureau of Reclamation is directed by Part 417 of Title 43, Code of Federal Regulations, to consult with you each year regarding water conservation in your area. In previous years we have used this opportunity to request your best estimates of monthly gross diversion requirements for the coming calendar year. Because of more urgent need to determine early river operations we would appreciate your estimates, by month, for 1989 by November 1, 1988. Please send these estimates to our Yuma Projects Office. As in the past, these estimates will be used in conjunction with those furnished by other entities to plan river operations. Please make these estimates as realistic as possible, as there are provisions to amend the estimates should changing conditions warrant.

The 1989 Annual Operating Plan reflects the current drought condition in the basin and the need for conservation and prudent beneficial use. However, recognizing the system storage available, requests for water by holders of water delivery contracts and by others with recognized water rights should be satisfied during calendar year 1989.

We would like to meet with you to discuss your diversion requirements, water conservation plans and other related topics. Our Yuma Projects Office will be in further contact with you to set a date and time that is mutually convenient. We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely,

Edward M. Hallenbeck
Regional Director

ACTING FOR

7-250

IIDWD

Clark/339-9263

January 7, 1988

WD EW

Mr. Edward M. Hallenbeck
Regional Director
U.S. Dept. of the Interior
Bureau of Reclamation
P.O. Box 427
Boulder City, NV 89005

Dear Mr. Hallenbeck:

Subject: Your LC-430

We are submitting the following information in accordance with your letter dated November 25, 1987 requesting estimate of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District for year 1988.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	150,000	18,000	168,000
February	160,000	20,000	180,000
March	260,000	27,000	287,000
April	320,000	34,000	354,000
May	310,000	36,000	346,000
June	280,000	36,000	316,000
July	300,000	39,000	339,000
August	290,000	42,000	332,000
September	260,000	33,000	293,000
October	200,000	22,000	222,000
November	150,000	15,000	165,000
December	<u>120,000</u>	<u>15,000</u>	<u>135,000</u>
Total	2,800,000	337,000	3,137,000

Yours very truly,

Charles L. Shreves

CHARLES L. SHREVES
General Manager

Copy to Mr. Thomas E. Levy, CVWD

EW

ps

7-251



United States Department of the Interior



BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430

NOV 25 1987

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Shreves:

The Bureau of Reclamation is directed by 43 CFR Part 417 to consult with you each year regarding water conservation in your area. We use this opportunity to request your best estimates of monthly gross diversion requirements for the coming calendar year.

With Central Arizona Project diverting more and more of their allotment of Colorado River water, there will be smaller amounts of surplus water available for downstream requirements. We encourage you to continue to promote wise water management as it relates to conservation. We have asked the Coachella Valley Water District to provide you with their best estimates of gross diversion requirements by month for the year 1988. Please provide the Yuma Projects Office a summary of the All-American Canal gross diversion requirements by the end of this calendar year. As in the past, these estimates will be used in conjunction with those furnished by other entities to plan river operations. Please make these estimates as realistic as possible, as there are provisions to amend the estimates, should changing conditions so warrant.

We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely yours,

ACTING *Sally J. Christy*
Edward M. Hallenbeck
Regional Director

cc: Mr. Thomas E. Levy, General Manager and Chief Engineer, Coachella Valley Water District, P.O. Box 1058, Coachella, California 92236

7-252



United States Department of the Interior



BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO:

LC-430

NOV 24 1987

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Thomas E. Levy
General Manager and Chief Engineer
Coachella Valley Water District
P.O. Box 1058
Coachella, California 92236

Dear Mr. Levy:

The Bureau of Reclamation (Reclamation) is directed by 43 CFR Part 417 to consult with you each year regarding water conservation in your area. We use this opportunity to request your best estimates of monthly gross diversion requirements for the coming calendar year.

With Central Arizona Project diverting more and more of their allotment of Colorado River water, there will be smaller amounts of surplus water available for downstream requirements. We encourage you to continue to promote wise water management as it relates to conservation. Please provide the Imperial Irrigation District (IID) your best estimates of gross diversion requirements by month for the year 1988. IID will in turn submit the combined All-American Canal diversion requirements to Reclamation by the end of this calendar year. As in the past, these estimates will be used in conjunction with those furnished by other entities to plan river operations. Please make these estimates as realistic as possible, as there are provisions to amend the estimates, should changing conditions so warrant.

We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely yours,

JOHN D. BROWN

ACTING FOR Edward M. Hallenbeck
Regional Director

cc: ✓ Mr. Charles L. Shreves, General Manager, Imperial Irrigation District,
P.O. Box 937, Imperial, California 92251

7-253

Clark/339-9263

IIDWD

December 9, 1986

WD 

Mr. Edward M. Hallenbeck
Regional Director
U.S. Department of the Interior
Bureau of Reclamation
P.O. Box 427
Boulder City, NV 89005

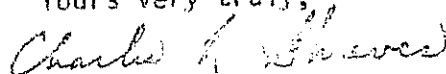
Dear Mr. Hallenbeck:

Subject: Your LC-430

We are submitting the following information in accordance with your letter dated November 14, 1986 requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District for calendar year 1987.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	140,000	18,000	158,000
February	170,000	19,000	189,000
March	270,000	29,000	299,000
April	320,000	34,000	354,000
May	300,000	37,000	337,000
June	270,000	37,000	307,000
July	270,000	40,000	310,000
August	280,000	42,000	322,000
September	240,000	32,000	272,000
October	200,000	22,000	222,000
November	150,000	15,000	165,000
December	90,000	15,000	105,000
Total	2,700,000	340,000	3,040,000

Yours very truly,



CHARLES L. SHREVES
General Manager

Copy to Mr. Thomas E. Levy, CVWD
Yuma Projects Office

WTR. EST87

7-254



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430

NOV 14 1986

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Shreves:

The Bureau of Reclamation is directed by 43 CFR Part 417, to consult with you each year regarding water conservation in your area. We use this opportunity to request your best estimates of monthly gross diversion requirements for the coming calendar year.

Continued above normal snowpack has kept the Colorado River storage system near capacity. However, even with another high runoff year, the Central Arizona Project will be diverting water in 1987 and this could affect the amount available for downstream requirements. We encourage you to continue to promote wise water management as it relates to conservation. Please provide the Yuma Projects Office your best estimates of gross diversion requirements by month for the year 1987 by the end of this calendar year. As in the past, these estimates will be used in conjunction with those furnished by other entities to plan river operations. Please make these estimates as realistic as possible, as there are provisions to amend the estimates should changing conditions so warrant.

We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely yours,

JOHN D. BROWN

ACTING FOR

Edward M. Hallenbeck
Regional Director

cc: Mr. Thomas E. Levy, General Manager and Chief Engineer, Coachella Valley Water District, P.O. Box 1058, Coachella, California 92236

SEE MFF ON ROUTING SHEET.

7-255



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE

P.O. BOX 427

BOULDER CITY, NEVADA 89005

MAR 23 1987

IN REPLY
REFER TO: LC-430

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Shreves:

Pursuant to provisions of Part 417 of Title 43, Code of Federal Regulations, as revised, this is to inform you of the recommendations and determinations of this office regarding your district's proposed schedule of diversions and beneficial use of Colorado River water during calendar year 1987.

We have determined on the basis of the estimate you furnished in your letter of December 9, 1986, that your district's diversion requirement will be 2,700,000 acre-feet. Application for modification of this determination may be made in accordance with provisions found in Part 417.

Sincerely yours,

David F. Gudgel
Regional Supervisor of Water
and Land Operations

WATER DEPARTMENT	
ADMINISTRATION	
ASST. DIR.:	
ADM. & GEN. AFF.	
CON. & EXT. AFF.	
ENGRG. & CONSTR.	
INSTR. & EVAL.	
PLANNING & INFO.	
RECORDS & COMM.	
TRAINING	
WATER RESOURCES	

3-30-87/og
Copy: Wilson

7-256



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430
168.1

FEB 13 1986

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Shreves:

Pursuant to provisions of Part 417 of Title 43, Code of Federal Regulations, as revised, this is to inform you of the recommendations and determinations of this office regarding your district's proposed schedule of diversion and beneficial use of Colorado River water during calendar year 1986.

We have determined on the basis of the estimate you furnished in the letter of December 18, 1985, that your district's diversion requirement will be 2,700,000 acre-feet. Application for modification of this determination may be made in accordance with provisions found in Part 417.

Sincerely yours,

Roy D. Gear

FOR

Edward M. Hallenbeck
Acting Regional Director

kw

2/19/86
Copy - Bradley Char

7-257

Clark/339-9263

IIDWD

December 18, 1985

WD 

Mr. Roy D. Gear, Asst. Regional Director
U.S. Department of the Interior
Bureau of Reclamation
P.O. Box 427
Boulder City, NV 89005


Dear Mr. Gear:

Subject: Your LC-430/453

We are submitting the following information in accordance with your letter dated December 5, 1985, requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District for calendar year 1986.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	140,000	18,000	158,000
February	160,000	21,000	181,000
March	250,000	29,000	279,000
April	320,000	35,000	355,000
May	310,000	38,000	348,000
June	270,000	38,000	308,000
July	280,000	41,000	321,000
August	280,000	43,000	323,000
September	230,000	33,000	263,000
October	210,000	24,000	234,000
November	150,000	16,000	166,000
December	100,000	16,000	116,000
Total	2,700,000	352,000	3,052,000

Yours very truly


CHARLES L. SHREVES
General Manager

Copy to Mr. Lowell O. Weeks, CVWD

December 16, 1985

Following are the suggested estimated monthly Colorado River Diversions at Imperial Dam for use by the Imperial Irrigation District and the Coachella Valley Water District for calendar year 1986.

	<u>IID</u>	<u>CVWD</u>	<u>TOTAL</u>
January	140,000	18,000	158,000
February	160,000	21,000	181,000
March	250,000	29,000	279,000
April	320,000	35,000	355,000
May	310,000	38,000	348,000
June	270,000	38,000	308,000
July	280,000	41,000	321,000
August	280,000	43,000	323,000
September	230,000	33,000	263,000
October	210,000	24,000	234,000
November	150,000	16,000	166,000
December	<u>100,000</u>	<u>16,000</u>	<u>116,000</u>
TOTAL	2,700,000	352,000	3,052,000

B. L. Bradley

B. L. BRADLEY
Watermaster

7-258



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430
453.

DEC 5 1985

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Shreves:

The Bureau of Reclamation is directed by 43 CFR Part 417, to consult with you each year regarding water conservation in your area. We use this opportunity to request your best estimates of monthly gross diversion requirements for the coming calendar year.

Continued above normal snowpack has kept the Colorado River storage system near capacity. However, even with another high runoff year, the Central Arizona Project will be diverting water in 1986 and this will affect the amount available for downstream requirements. We encourage you to continue to promote wise water management as it relates to conservation. Please provide this office, Attention: LC-430, your best estimates of gross diversion requirements by month for year 1986 by the end of this calendar year. We have requested the Coachella Valley Water District to furnish you their estimates for a combined diversion requirement. As in the past, these estimates will be used in conjunction with those furnished by other entities to plan river operations. Please make these estimates as realistic as possible, as there are provisions to amend the estimates should changing conditions so warrant.

We appreciate your cooperation and again encourage you to promote water conservation with your water users.

Sincerely yours,

Roy D. Gear
FOR

Edward M. Hallenbeck
Acting Regional Director

cc: Mr. Lowell O. Weeks, General Manager and Chief Engineer, Coachella Valley Water District, P.O. Box 1058, Coachella, California 92236

*Copy to
BUD 12-10
Jm*

Copy: Wilson 12-9-85/pg

7-259



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430
168.1

FEB 11 1985

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Charles L. Shreves
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Shreves:

Pursuant to provisions of Part 417 of Title 43, Code of Federal Regulations, as revised, this is to inform you of the recommendations and determinations of this office regarding your district's proposed schedule of diversion and beneficial use of Colorado River water during calendar year 1985.

We have determined on the basis of the estimate you furnished in the letter of January 10, 1985, that your district's diversion requirement will be 2,700,000 acre-feet. Application for modification of this determination may be made in accordance with provisions found in Part 417.

Sincerely yours,

Roy A. Gear

ACTING FOR
N. W. Plummer
Regional Director

O.K.
RW

2/15/85

Copies:

J. R. Wilson ✓

B. Bradley

M

CH

7-260

Canova/339-9263

January 10, 1985

Mr. Roy D. Gear, Asst. Regional Director
U.S. Department of the Interior
Bureau of Reclamation
P.O. Box 427
Boulder City, NV 89005

WD 

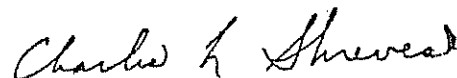
RE: LC-430/511


Dear Mr. Gear:

We are submitting the following information in accordance with your letter dated December 6, 1984, requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District for calendar year 1985.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley Water District</u>	<u>Acre-Feet Total</u>
January	150,000	20,000	170,000
February	190,000	23,000	213,000
March	240,000	29,000	269,000
April	320,000	35,000	355,000
May	290,000	42,000	332,000
June	260,000	44,000	304,000
July	280,000	46,000	326,000
August	260,000	47,000	307,000
September	230,000	36,000	266,000
October	220,000	28,000	248,000
November	150,000	18,000	168,000
December	110,000	17,000	127,000
Total	2,700,000	385,000	3,085,000

Yours very truly



CHARLES L. SHREVES
General Manager 

cc Mr. Lowell O. Weeks
General Manager-Chief Engineer
Coachella Valley Water District

7-261



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY LC-430
REFER TO:
168.1

FEB 6 1984

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Donald A. Twogood
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Twogood:

Pursuant to provisions of Part 417 of Title 43, Code of Federal Regulations, as revised, this is to inform you of the recommendations and determinations of this office regarding your district's proposed schedule of diversions and beneficial use of Colorado River water during calendar year 1984.

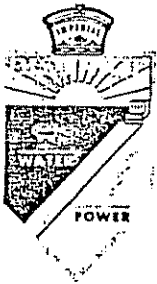
We have determined on the basis of the estimate you furnished in the letter of January 6, 1984, that your district's diversion requirement will be 2,600,000 acre-feet. Application for modification of this determination may be made in accordance with provisions found in Part 417.

Sincerely yours,

Roy D. Plummer
N. W. Plummer
Regional Director
ACTING FOR

CC For Action:
Mr. Twogood
For Information:
Mr. Allen
Mr. Wilson ✓
Mr. Bradley
Mr. Welch

7-262



IMPERIAL IRRIGATION DISTRICT

OPERATING HEADQUARTERS • IMPERIAL, CALIFORNIA 92251

January 6, 1984

1984

RE: LC-430/453

Mr. Roy D. Gear, Assistant Regional Director
U.S. Department of the Interior
Bureau of Reclamation
P.O. Box 427
Boulder City, NV 89005

Dear Mr. Gear:

We are submitting the following information in accordance with your letter dated December 8, 1983, requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District for calendar year 1984.

Month	Imperial Irrigation District	Coachella Valley County Water District	Acre-Feet Total
January	140,000	21,000	161,000
February	160,000	22,000	182,000
March	220,000	29,000	249,000
April	330,000	40,000	370,000
May	280,000	47,000	327,000
June	250,000	47,000	297,000
July	300,000	50,000	350,000
August	240,000	53,000	293,000
September	220,000	40,000	260,000
October	210,000	28,000	238,000
November	150,000	19,000	169,000
December	100,000	17,000	117,000
Total	2,600,000	413,000	3,013,000

Very truly yours,

D. A. Twogood
D. A. TWOGOOD
General Manager

CC: Mr. Lowell O. Weeks
General Manager-Chief Engineer
Coachella Valley Water District

BCC: J. R. Benson
J. R. Wilson
B. L. Bradley
D. G. Welch
General Files

WATER DEPARTMENT	
Manager	<i>R</i>
Asst. Manager	<i>Bew</i>
Gen. Supv. Eng.	<i>m</i>
Gen. Supv. Oper.	
Engineer	

7-263



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO:
453. LC-430

DEC 8 1983

T

Mr. Donald A. Twogood
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Twogood:

In accordance with 43 CFR Part 417, representatives of the Bureau of Reclamation (Reclamation) usually meet with you each year to discuss water conservation measures in the Imperial Irrigation District (District) and other items of mutual concern. We have also used these annual meetings to request your best estimates of monthly gross diversion requirements for the coming calendar year. This year we have elected to consult with your District by letter.

As you are aware, the Payment In Kind (PIK) program and the excess flows in the Colorado River have pushed concerns about adequate irrigation water supplies from the forefront of most districts' concern. Rising ground-water tables in some areas have also diverted attention from water conservation practices.

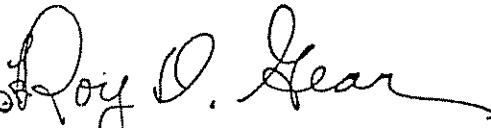
It is still projected that the Central Arizona Project will begin diversions from the Colorado River in 1985. Even going into this new diversion regime with full storage reservoirs will not assure a continuing full supply for all needs in the lower basin. Because of this, we would like to encourage you and your water management supervisors to keep the concepts of proper water management as it relates to conservation before your water users.

Cropping patterns, changing farm programs (i.e., PIK, etc), and market conditions have a definite bearing on irrigation water use, therefore, we would appreciate you reviewing these with your water users to determine significant trends expected for calendar year 1984. Please provide us no later than the end of this calendar year, your best estimates of water requirements by months for 1984. Your estimate will be used in conjunction with similar estimates furnished by other entities to plan river

m

operations. Estimates should be based upon realistic projections. We urge you to keep the concepts of water conservation before your water users so they will recognize the need for long-term water conservation.

Sincerely yours,


ACTING FOR N. W. Plummer
Regional Director

CC For Action:
Mr. Twogood ✓
For Information
Mr. Benson
Mr. Wilson
Mr. Bradley
Mr. Welch

7-264



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430
550.

APR 1 1983

Mr. Don A. Twogood
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Twogood:

Thank you for your timely response to our request for estimated diversion requirements for calendar year 1983.

As you are aware, good monthly estimates are critical in programing operations of the dam and reservoir system on the Lower Colorado River. Since the original estimates were made, several events have occurred which may have an impact on your district's water use. We are concerned that the cool, wet winter and spring, new insect infestations, and the Department of Agriculture's Payment-In-Kind program may significantly affect cropping patterns and diversion requirements. We would appreciate you rechecking with your water users and maybe with the local Agriculture Stabilization and Conservation Services Office and determine if there will be significant changes in diversion requirements. Please provide us with the revised schedule on a monthly basis, if possible.

We are requesting Coachella Valley Water District to respond directly to our office with a copy to you. Your cooperation and prompt reply is appreciated.

Sincerely yours,

ACTING FOR

N. W. Plummer
Regional Director

CC For Action:
Mr. Twogood
For Information:
Mr. Benson
Mr. Wilson
Mr. Bradley

7-265



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430
168.1

FEB 25 1983

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Donald A. Twogood
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, California 92251

Dear Mr. Twogood:

Pursuant to provisions of Part 417 of Title 43, Code of Federal Regulations, as revised, this is to inform you of the recommendations and determinations of this office regarding your district's proposed schedule of diversions and beneficial use of Colorado River water during calendar year 1983.

We have determined on the basis of the estimate you furnished in the letter of January 5, 1983, that your district's diversion requirement will be 2,650,000 acre-feet. Application for modification of this determination may be made in accordance with provisions found in Part 417.

Sincerely yours,

Ray W. Plummer
ACTING FOR
W. W. Plummer
Regional Director

CC For Action:
Mr. Twogood
For Information:
Mr. Benson ✓
Mr. Wilson ✓
Mr. Bradley

SW
Plummer

car

7-266



IMPERIAL IRRIGATION DISTRICT

OPERATING HEADQUARTERS • IMPERIAL, CALIFORNIA 92251

January 5, 1983

LC-460/511

Mr. Roy D. Gear, Assistant Regional Director
U.S. Department of the Interior
Bureau of Reclamation
P.O. Box 427
Boulder City, NV 89005

Dear Mr. Gear:

We are submitting the following information in accordance with your letter dated December 21, 1982, requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District for calendar year 1983.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley County Water District</u>	<u>Acre-Feet Total</u>
January	140,000	21,000	161,000
February	180,000	25,000	205,000
March	240,000	30,000	270,000
April	330,000	41,000	371,000
May	280,000	48,000	328,000
June	230,000	49,000	279,000
July	300,000	51,000	351,000
August	280,000	51,000	331,000
September	220,000	43,000	263,000
October	200,000	31,000	231,000
November	140,000	18,000	158,000
December	110,000	15,000	125,000
Total	2,650,000	423,000	3,073,000

Very truly yours,

D. A. Twogood
D. A. TWOGOOD
General Manager

CC: Mr. Lowell O. Weeks
General Manager-Chief Engineer
Coachella Valley Water District

BCC: J. R. Benson
J. R. Wilson
B. L. Bradley
General files

[Handwritten signature]
on

7-267



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-460
511.

DEC 21 1982

Mr. Don A. Twogood
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, CA 92251

Dear Mr. Twogood:

Estimates of monthly diversion requirements for Colorado River water at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District during the next calendar year are needed for use in programing operation of the dam and reservoir system on the Lower Colorado River.

As requested by Messrs. Larry Dozier, Ron Effertz, Merle Turley, and Dave Overvold of this office and Mr. Eugene Risch of our Yuma Projects Office on December 10, 1982, please provide us with your best estimates of monthly diversion requirements at Imperial Dam for calendar year 1983. These estimates should be listed separately for Imperial Irrigation District and Coachella Valley Water District and will be used in conjunction with similar estimates furnished by other water users. Estimates should be based upon realistic projections of minimum water requirements recognizing the need for long-term water conservation.

Sincerely yours,

Roy O. Plummer
ACTING FOR
N. W. Plummer
Regional Director

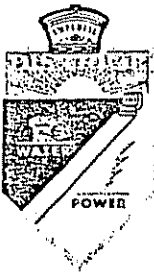
cc: Mr. Lowell O. Weeks, General Manager and Chief Engineer,
Coachella Valley Water District, P.O. Box 1058, Coachella, CA 92236

CC For Action:
Mr. Twogood
For Information:
Mr. Moore
Mr. Wilson ✓
Mr. Bradley

W. L. Plummer
12-27-82 *Chav*

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W

7-268



IMPERIAL IRRIGATION DISTRICT

OPERATING HEADQUARTERS • IMPERIAL, CALIFORNIA 92251

December 21, 1981

LC-460/511

Mr. Roy D. Gear, Assistant Regional Director
U.S. Department of the Interior
Bureau of Reclamation
P. O. Box 427
Boulder City, Nevada 89005

CC: Mr. Edwards
Mr. Wilson
Mr. Bradley
General Files

1982

Dear Mr. Gear:

We are submitting the following information in accordance with your letter dated December 3, 1981, requesting estimates of monthly Colorado River diversions at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District for calendar year 1982.

<u>Month</u>	<u>Imperial Irrigation District</u>	<u>Coachella Valley County Water District</u>	<u>Acre-Feet Total</u>
January	110,000	23,000	133,000
February	160,000	26,000	186,000
March	260,000	34,000	294,000
April	340,000	43,000	383,000
May	280,000	45,000	325,000
June	270,000	49,000	319,000
July	320,000	53,000	373,000
August	300,000	53,000	353,000
September	270,000	46,000	316,000
October	210,000	31,000	241,000
November	150,000	21,000	171,000
December	130,000	21,000	151,000
Total	2,800,000	445,000	3,245,000

Very truly yours,

D. A. Two Good
D. A. TWOGOOD
General Manager

CC: Mr. Lowell O. Weeks
General Manager-Chief Engineer
Coachella Valley Water District

PM
96

7-269



United States Department of the Interior

BUREAU OF RECLAMATION
WATER AND POWER RESOURCES SERVICE
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-460
511.

DEC 3 1981

Mr. Don A. Twogood, General Manager
Imperial Irrigation District
P. O. Box 937
Imperial, CA 92251

Dear Mr. Twogood:

Estimates of monthly diversion requirements for Colorado River water at Imperial Dam for irrigation use by the Imperial Irrigation District and the Coachella Valley Water District during the next calendar year are needed for use in programing operation of the dam and reservoir system on the lower Colorado River.

As requested by Messrs. Ron Effertz, John Johnson, and Merle Turley of this office, and Tom Boyer of our Yuma Projects Office on November 5, 1981, please provide us with your best estimates of monthly diversion requirements at Imperial Dam for calendar year 1982. These estimates should be listed separately for Imperial Irrigation District and Coachella Valley Water District and will be used in conjunction with similar estimates furnished by other water users. Estimates should be based upon realistic projections of minimum water requirements recognizing the need for long term water conservation.

Sincerely yours,

N. W. Plummer
Regional Director

cc: Mr. Lowell O. Weeks, General Manager-Chief Engineer, Coachella Valley
Water District, P. O. Box 1058, Coachella, CA 92236

CC For Action:
Mr. Twogood
For Information:
Mr. Edwards
Mr. Wilson ✓
Mr. Bradley

Suggested Advance Yearly Estimate at Station 60
Imperial Irrigation District and Coachella Valley Water District
For Calendar Year 1982

	Acre-Feet		
	<u>IID</u>	<u>CVWD</u>	<u>TOTAL</u>
January	110 000	23 000	133 000
February	160 000	26 000	186 000
March	260 000	34 000	294 000
April	340 000	43 000	383 000
May	280 000	45 000	325 000
June	270 000	49 000	319 000
July	320 000	53 000	373 000
August	300 000	53 000	353 000
September	270 000	46 000	316 000
October	210 000	31 000	241 000
November	150 000	21 000	171 000
December	<u>130 000</u>	<u>21 000</u>	<u>151 000</u>
TOTAL	2 800 000	445 000	3 245 000

B. L. Bradley
B. L. BRADLEY
Watermaster

December 18, 1981

M

Jan

Suggested Advance Yearly Estimate at Station 60
Imperial Irrigation District and Coachella Valley Water District
For the Calendar Year 1981

	Acre-Feet		
	<u>IID</u>	<u>CVWD</u>	<u>TOTAL</u>
January	110 000	24 000	134 000
February	150 000	24 000	174 000
March	265 000	34 500	299 500
April	350 000	42 000	392 000
May	290 000	49 500	339 500
June	275 000	50 500	325 500
July	315 000	54 500	369 500
August	320 000	54 500	374 500
September	290 000	43 000	333 000
October	230 000	34 500	264 500
November	155 000	24 000	179 000
December	<u>150 000</u>	<u>22 000</u>	<u>172 000</u>
TOTAL	2 900 000	457 000	3 357 000

B. L. Bradley
B. L. BRADLEY
Watermaster

December 30, 1980

12/30/80
cc Mr. Jurgens

Re

Suggested Advance Yearly Estimate at Station 60
Imperial Irrigation District and Coachella Valley Water District
For the Calendar Year 1981

	Acre-Feet		
	IID	CVWD	TOTAL
January	110 000	23 000	133 000
February	150 000	23 000	173 000
March	265 000	33 000	298 000
April	350 000	40 000	390 000
May	290 000	47 000	337 000
June	275 000	48 000	323 000
July	315 000	52 000	367 000
August	320 000	52 000	372 000
September	290 000	41 000	331 000
October	230 000	33 000	263 000
November	155 000	23 000	178 000
December	<u>150 000</u>	<u>21 000</u>	<u>171 000</u>
TOTAL	2 900 000	436 000	3 336 000

B. L. Bradley
B. L. BRADLEY
Watermaster

December 29, 1980

12-29-80
Copy for Mr. J. J. Good

7-270



United States Department of the Interior

WATER AND POWER RESOURCES SERVICE
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-430
168.1

MAR 12 1981

CERTIFIED - RETURN RECEIPT REQUESTED

Mr. Donald A. Twogood
General Manager
Imperial Irrigation District
P.O. Box 937
Imperial, CA 92251

1981

Dear Mr. ~~Twogood~~:

Pursuant to provisions of Part 417 of Title 43, Code of Federal Regulations, as revised, this is to inform you of the recommendations and determinations of this office regarding Imperial Irrigation District's proposed schedule for diversions and beneficial use of Colorado River water during calendar year 1981.

We have determined, as a result of your letter of December 30, 1980, that the estimated diversion requirement for your District shall be 2,900,000 acre-feet. Application for modification of this determination may be made in accordance with provisions found in Part 417.

Sincerely,

Gene

Eugene Hinds
Regional Director

CC For Action:
Mr. Twogood
For Information:
Mr. Edwards
Mr. Wilson ✓
Mr. Bradley

[Handwritten signature]